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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/014,516	12/14/2001	Tomohiro Nakata	Q67231	3587

7590 04/01/2003

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EXAMINER

KIM, SANG K

ART UNIT	PAPER NUMBER
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3654

DATE MAILED: 04/01/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/014,516

Applicant(s)

NAKATA ET AL.

Examiner

SANG KIM

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 February 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) 7,8 and 13-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 9-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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Election/Restrictions

Applicant's election without traverse of Group I, claims 1-6 and 9-12, in Paper No. 5 is acknowledged.

Claims 7-8 and 13-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected claims, there being no allowable generic or linking claim. Election was made **without** traverse in Paper No. 5.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2, 5, 10, and 12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Referring to claims 2 and 5, "the web is wound around the core under the low tension is longer if the core is longer and shorter if the core is shorter", is vague and indefinite. Examiner is not sure whether the applicant is referring to the length of the web or the length of the core.

Claims 10 and 12 are vague and indefinite because it is unclear whether the plurality of webs set forth in the preamble are the same as the single web in claims 9 and 11, or additional webs. Since claims 10 and 12 depend from claims 9 and 11 respectively, it should recite the same general invention in its preamble.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-5, 9 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Kataoka, U.S. Patent No. 4238084.

Referring to claims 1-2, 4-5, 9 and 11, Kataoka teaches an apparatus for winding a web around a core at a high speed, comprising winding tension storing means 11 for storing a winding tension corresponding to the length to which the web is wound around the core; torque converting means 12 for reading said winding tension from said winding tension storing means 11 and converting the read winding tension into a winding torque; and core rotation control means 9 for controlling rotation of the core according to said winding torque; said winding tension being set so as to wind the web to a given length around the core under a low tension or a high tension since the winding tension can be controlled from progressively increasing the tension of the web and decreasing the tension of the web as indicated in the specification using the convex curve in the specification column 1, lines 40-50, and column 5, lines 25-30, and as shown in Figs. 1-5.

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Claims 1-2, and 4-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Yano et al, U.S. Patent No. 4480799.

Referring to claims 1-2 and 4-5, Yano et al teach winding a web around a core at a low tension, then progressively increasing the tension of the web at a predetermined rate until reaching a high tension, and thereafter winding the web under a tension which is being reduced from the high tension as clearly shown in Fig. 8.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kataoka, U.S. Patent No. 4238084, or Yano et al, U.S. Patent No. 4480799.

Referring to claims 3 and 6, Kataoka or Yano et al disclose a specific value of tension. It would be obvious to make the apparatus capable of setting a low tension to a value up to 15% of the length, as a choice of design consistent with typical winding web for this type of device since the tension can be controlled as indicated in the above paragraphs.

Referring to claims 10 and 12, Kataoka or Yano et al does not show a plurality of webs. Kataoka shows only the side view and cannot determine if there are a plurality of webs used or not. It would be obvious to make the apparatus capable of having more

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than one web to speed up the process of article winding, as a choice of design consistent with typical winding web for this type of device.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references of record show other examples of winding web.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sang Kim whose telephone number is (703) 305-3712. The examiner can normally be reached Monday through Friday from 8:00 A.M. to 5:30 P.M. alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathy Matecki can be reached on (703) 308-2688. The fax phone numbers are (703) 308-0552 for regular communications and (703) 305-7687 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

SK

3/20/03



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